



PROGRAM OF STUDY PATHWAY TEMPLATES 2011-2012
 — ELECTRONIC ENGINEERING TECH - COMPUTER ENGINEERING *

COLLEGE: **Sinclair Community College**

HIGH SCHOOL(S): Bellbrook, Centerville, Ponitz CTC, Greene CCC,
Kettering Fairmont, Stebbins, Butler Tech, Oakwood,
Miami Valley CTC, Warren CCC, Wayne



CAREER FIELD: Engineering & Science Technologies

PATHWAY: Engineering Systems

PROGRAM: Electronics Engineering Tech - Computer Engineering

105 Credit Hours - Associate of Applied Science

HIGH SCHOOL	Freshman	English I (1)	Integrated Algebra & Geometry or Algebra I (1)	Physical Science (1)	Social Studies (1)	Health (.5) P E (.5)	Career Exploration	Elective (1)
	Sophomore	English II (1)	Geometry or Algebra II (1)	Biology (1)	American History (1)	Intro to Engineering Design (1)	P E (.5)	Elective (1)
	Junior	English III (1)	Algebra II / Adv Algebra II & Trigonometry (1)	Physics I (1)	American Govt (.5) Social Studies Elective (.5)	College Tech Prep Engineering Technology (1)	College Tech Prep Engineering Technology (1)	Tech: Word, PowerPoint, & Excel (.5) Art (.5)
	Senior	<u>English IV (1)</u>	<u>Integrated College Math or Calculus (1)</u>	Chemistry (1)	Elective (1)	College Tech Prep Engineering Technology (1)	College Tech Prep Engineering Technology (1)	Elective (1)

Take Accuplacer (reading, math, and writing). Visit Sinclair academic advising. Earn high school diploma. Complete pathway as designed.

COLLEGE	1st Quarter	SCC 101 (2) Student Success Experience	• MAT 131 (5) Technical Math I	EET 114 (4) Basic Electronic Measurements	EET 116 (4) Electronics Schematics & Layout	■ ETD 198 (2) PC Apps for Engr		
	2nd Quarter	• ENG 111 (3) English Comp I	• MAT 132 (5) Technical Math II	EET 150 (4) DC Circuits	EET 164 (3) PC Assembly	EET 131 (4) Digital Logic & Circuits		
	3rd Quarter	• ENG112 (3) English Comp II	EET 159 (3) Programming for Electronics Tech	EET 155 (4) AC Circuits	EGR 161 (3) Pbasic & Stamp	EET 251 (4) Digital Systems I		
	4th Quarter	• COM 206 (3) Interpersonal Communication	PHY 131 (4) Technical Physics I	EET 201 (4) Electronics I	EET 261 (4) Microprocessor Microcontroller Systems	EET 264 (3) PC Troubleshooting & Repair		
	5th Quarter	• Arts & Humanities Elective (3)	PHY 132 (4) Technical Physics II	EGR 261 (4) Engr Problem Solving Using C	EET 271 (3) Alternative OS & Applications	EET 265 (3) PC Troubleshooting & Repair II		
	6th Quarter	• Social Studies Elective (3)	EET 262 (4) Microprocessor Applications	EET 278 (4) Electronics Project Capstone	EET 270 (3) Electronics Engr Tech Internship	EET 272 (3) PC Based Engr Systems		

*	Sinclair converts to semesters in 2012-2013. Visit www.sinclair.edu/semesters for new course names and credit hours.	Credit-Based Transition Programs, such as dual enrollment, articulated courses 2+2 (+2) ♦ = high school to college • = community college to 4 year institution ■ = opportunity to test out
		Required Courses (credit hours)
		Recommended Elective Courses